Reuven Gordon

List of Publications by Year in descending order

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224 papers	10,224 citations	44069 48 h-index	36028 97 g-index
228 all docs	228 docs citations	228 times ranked	8491 citing authors

#	Article	IF	Citations
1	Roadmap on structured light. Journal of Optics (United Kingdom), 2017, 19, 013001.	2.2	888
2	Surface Plasmon Sensor Based on the Enhanced Light Transmission through Arrays of Nanoholes in Gold Films. Langmuir, 2004, 20, 4813-4815.	3.5	715
3	A New Generation of Sensors Based on Extraordinary Optical Transmission. Accounts of Chemical Research, 2008, 41, 1049-1057.	15.6	492
4	Self-induced back-action optical trapping of dielectric nanoparticles. Nature Physics, 2009, 5, 915-919.	16.7	481
5	Nanohole-Enhanced Raman Scattering. Nano Letters, 2004, 4, 2015-2018.	9.1	418
6	Optical Trapping of a Single Protein. Nano Letters, 2012, 12, 402-406.	9.1	408
7	Increased cut-off wavelength for a subwavelength hole in a real metal. Optics Express, 2005, 13, 1933.	3.4	283
8	Nanoholes As Nanochannels: Flow-through Plasmonic Sensing. Analytical Chemistry, 2009, 81, 4308-4311.	6.5	264
9	On-Chip Surface-Based Detection with Nanohole Arrays. Analytical Chemistry, 2007, 79, 4094-4100.	6.5	258
10	Probing Dynamic Generation of Hot-Spots in Self-Assembled Chains of Gold Nanorods by Surface-Enhanced Raman Scattering. Journal of the American Chemical Society, 2011, 133, 7563-7570.	13.7	251
11	Optical Trapping of 12 nm Dielectric Spheres Using Double-Nanoholes in a Gold Film. Nano Letters, 2011, 11, 3763-3767.	9.1	232
12	Enhanced Fluorescence from Arrays of Nanoholes in a Gold Film. Journal of the American Chemical Society, 2005, 127, 14936-14941.	13.7	203
13	Light in a subwavelength slit in a metal: Propagation and reflection. Physical Review B, 2006, 73, .	3.2	193
14	Quantification of High-Efficiency Trapping of Nanoparticles in a Double Nanohole Optical Tweezer. Nano Letters, 2014, 14, 853-856.	9.1	163
15	Resonant optical transmission through holeâ€arrays in metal films: physics and applications. Laser and Photonics Reviews, 2010, 4, 311-335.	8.7	150
16	Probing the Quantum Tunneling Limit of Plasmonic Enhancement by Third Harmonic Generation. Nano Letters, 2014, 14, 6651-6654.	9.1	145
17	Low-Power Optical Trapping of Nanoparticles and Proteins with Resonant Coaxial Nanoaperture Using 10 nm Gap. Nano Letters, 2018, 18, 3637-3642.	9.1	134
18	Attomolar Protein Detection Using in-Hole Surface Plasmon Resonance. Journal of the American Chemical Society, 2009, 131, 436-437.	13.7	131

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19	Single Molecule Directivity Enhanced Raman Scattering using Nanoantennas. Nano Letters, 2012, 12, 2625-2630.	9.1	123
20	Optofluidic Concentration: Plasmonic Nanostructure as Concentrator and Sensor. Nano Letters, 2012, 12, 1592-1596.	9.1	121
21	Hyperspectral Nanoscale Imaging on Dielectric Substrates with Coaxial Optical Antenna Scan Probes.. Nano Letters, 2011, 11, 1201-1207.	9.1	111
22	Flow-Through vs Flow-Over: Analysis of Transport and Binding in Nanohole Array Plasmonic Biosensors. Analytical Chemistry, 2010, 82, 10015-10020.	6.5	103
23	Enhanced second harmonic generation from nanoscale double-hole arrays in a gold film. Applied Physics Letters, 2006, 88, 261104.	3.3	100
24	Apex-Enhanced Raman Spectroscopy Using Double-Hole Arrays in a Gold Film. Journal of Physical Chemistry C, 2007, 111, 2347-2350.	3.1	96
25	Nanoplasmonic Terahertz Photoconductive Switch on GaAs. Nano Letters, 2012, 12, 6255-6259.	9.1	92
26	Probing the Raman-active acoustic vibrations of nanoparticles with extraordinary spectral resolution. Nature Photonics, 2015, 9, 68-72.	31.4	91
27	Directivity Enhanced Raman Spectroscopy Using Nanoantennas. Nano Letters, 2011, 11, 1800-1803.	9.1	89
28	Extraordinary Optical Transmission Brightens Near-Field Fiber Probe. Nano Letters, 2011, 11, 355-360.	9.1	80
29	Nanohole arrays in metal films as optofluidic elements: progress and potential. Microfluidics and Nanofluidics, 2008, 4, 107-116.	2.2	79
30	Double nanohole optical tweezers visualize protein p53 suppressing unzipping of single DNA-hairpins. Biomedical Optics Express, 2014, 5, 1886.	2.9	76
31	Label-free free-solution nanoaperture optical tweezers for single molecule protein studies. Analyst, The, 2015, 140, 4760-4778.	3.5	71
32	Intensity based surface plasmon resonance sensor using a nanohole rectangular array. Optics Express, 2011, 19, 15041.	3.4	70
33	Label-Free Free-Solution Single-Molecule Proteinâ€“Small Molecule Interaction Observed by Double-Nanohole Plasmonic Trapping. ACS Photonics, 2014, 1, 389-393.	6.6	68
34	Side-by-Side Assembly of Gold Nanorods Reduces Ensemble-Averaged SERS Intensity. Journal of Physical Chemistry C, 2012, 116, 5538-5545.	3.1	67
35	Basis and Lattice Polarization Mechanisms for Light Transmission through Nanohole Arrays in a Metal Film. Nano Letters, 2005, 5, 1243-1246.	9.1	66
36	Sensing nanoparticles using a double nanohole optical trap. Lab on A Chip, 2013, 13, 4142.	6.0	66

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37	Surface Plasmonâ^'Quantum Dot Coupling from Arrays of Nanoholes. Journal of Physical Chemistry B, 2006, 110, 8307-8313.	2.6	64
38	In Situ Plasmonic Counter for Polymerization of Chains of Gold Nanorods in Solution. ACS Nano, 2013, 7, 5901-5910.	14.6	63
39	Localized Raman Enhancement from a Double-Hole Nanostructure in a Metal Film. Journal of Physical Chemistry C, 2008, 112, 15098-15101.	3.1	62
40	Observing single protein binding by optical transmission through a double nanohole aperture in a metal film. Biomedical Optics Express, 2013, 4, 1504.	2.9	59
41	Quantification of ovarian cancer markers with integrated microfluidic concentration gradient and imaging nanohole surface plasmon resonance. Analyst, The, 2013, 138, 1450.	3.5	58
42	A Label-Free Untethered Approach to Single-Molecule Protein Binding Kinetics. Nano Letters, 2014, 14, 5787-5791.	9.1	55
43	Modal theory of modified spontaneous emission of a quantum emitter in a hybrid plasmonic photonic-crystal cavity system. Physical Review A, 2017, 95, .	2.5	53
44	Harmonic oscillation in a spatially finite array waveguide. Optics Letters, 2004, 29, 2752.	3.3	52
45	Reflection of Cylindrical Surface Waves. Optics Express, 2009, 17, 18621.	3.4	51
46	Plasmon-Enhanced below Bandgap Photoconductive Terahertz Generation and Detection. Nano Letters, 2015, 15, 8306-8310.	9.1	51
47	Double nanohole optical trapping: dynamics and protein-antibody co-trapping. Lab on A Chip, 2013, 13, 2563.	6.0	50
48	Nanoscale volume confinement and fluorescence enhancement with double nanohole aperture. Scientific Reports, 2015, 5, 15852.	3.3	50
49	Proposal for Superfocusing at Visible Wavelengths Using Radiationless Interference of a Plasmonic Array. Physical Review Letters, 2009, 102, 207402.	7.8	49
50	[INVITED] Biosensing with nanoaperture optical tweezers. Optics and Laser Technology, 2019, 109, 328-335.	4.6	49
51	Enhanced Raman Scattering from Nanoholes in a Copper Film. Journal of Physical Chemistry C, 2008, 112, 17051-17055.	3.1	48
52	Nanoplasmonics enhanced terahertz sources. Optics Express, 2014, 22, 27992.	3.4	48
53	Improvement of Sensing and Trapping Efficiency of Double Nanohole Apertures via Enhancing the Wedge Plasmon Polariton Modes with Tapered Cusps. ACS Photonics, 2017, 4, 1108-1113.	6.6	45
54	Betheâ€™s aperture theory for arrays. Physical Review A, 2007, 76, .	2.5	44

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55	Cleaved fiber optic double nanohole optical tweezers for trapping nanoparticles. Optics Letters, 2014, 39, 6415.	3.3	44
56	Atomically flat symmetric elliptical nanohole arrays in a gold film for ultrasensitive refractive index sensing. Lab on A Chip, 2013, 13, 2541.	6.0	42
57	Molecular weight characterization of single globular proteins using optical nanotweezers. Analyst, The, 2015, 140, 4799-4803.	3.5	42
58	Integrated nanohole array surface plasmon resonance sensing device using a dual-wavelength source. Journal of Micromechanics and Microengineering, 2011, 21, 115001.	2.6	41
59	Molecular Optomechanics in the Anharmonic Cavity-QED Regime Using Hybrid Metalâ€“Dielectric Cavity Modes. ACS Photonics, 2019, 6, 1400-1408.	6.6	40
60	Surface plasmon microcavity for resonant transmission through a slit in a gold film. Optics Express, 2008, 16, 9708.	3.4	37
61	Polarization-dependent sensing of a self-assembled monolayer using biaxial nanohole arrays. Applied Physics Letters, 2008, 92, .	3.3	37
62	Theory of dielectric micro-sphere dynamics in a dual-beam optical trap. Optics Express, 2008, 16, 9306.	3.4	36
63	Characterization of Individual Magnetic Nanoparticles in Solution by Double Nanohole Optical Tweezers. Nano Letters, 2016, 16, 2639-2643.	9.1	35
64	Vectorial method for calculating the Fresnel reflection of surface plasmon polaritons. Physical Review B, 2006, 74, .	3.2	34
65	Surface plasmon nanophotonics: A tutorial. IEEE Nanotechnology Magazine, 2008, 2, 12-18.	1.3	33
66	Flow-dependent double-nanohole optical trapping of 20â€…nm polystyrene nanospheres. Scientific Reports, 2012, 2, 966.	3.3	33
67	Double nanohole apex-enhanced transmission in metal films. Applied Physics B: Lasers and Optics, 2006, 84, 25-28.	2.2	32
68	Long range surface plasmons on asymmetric suspended thin film structures for biosensing applications. Optics Express, 2010, 18, 19009.	3.4	32
69	Nonlinear Plasmonic Metasurfaces. Advanced Optical Materials, 2018, 6, 1800274.	7.3	32
70	Effect of surface roughness on self-assembled monolayer plasmonic ruler in nonlocal regime. Optics Express, 2014, 22, 9604.	3.4	31
71	Gap Plasmon Enhanced Metasurface Third-Harmonic Generation in Transmission Geometry. ACS Photonics, 2016, 3, 1461-1467.	6.6	31
72	Plasmonic Bragg reflectors for enhanced extraordinary optical transmission through nano-hole arrays in a gold film. Optics Express, 2007, 15, 12995.	3.4	30

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73	Flow-dependent optofluidic particle trapping and circulation. Lab on A Chip, 2008, 8, 1350.	6.0	30
74	Playing the notes of DNA with light: extremely high frequency nanomechanical oscillations. Nanoscale, 2015, 7, 2295-2300.	5.6	29
75	Relating localized nanoparticle resonances to an associated antenna problem. Physical Review B, 2011, 84, .	3.2	28
76	Colloidal lithography double-nanohole optical trapping of nanoparticles and proteins. Optics Express, 2019, 27, 16184.	3.4	28
77	Substrate-based platform for boosting the surface-enhanced Raman of plasmonic nanoparticles. Optics Express, 2011, 19, 1648.	3.4	27
78	Vortex electron energy loss spectroscopy for near-field mapping of magnetic plasmons. Optics Express, 2012, 20, 15024.	3.4	27
79	Plasmonic Antireflection Coating for Photoconductive Terahertz Generation. ACS Photonics, 2017, 4, 1350-1354.	6.6	27
80	Optical Trapping, Sizing, and Probing Acoustic Modes of a Small Virus. Applied Sciences (Switzerland), 2020, 10, 394.	2.5	27
81	Analysis of Egg White Protein Composition with Double Nanohole Optical Tweezers. ACS Omega, 2018, 3, 5266-5272.	3.5	26
82	Cascaded Plasmon-Enhanced Emission from a Single Upconverting Nanocrystal. ACS Photonics, 2019, 6, 1125-1131.	6.6	26
83	Isolating Nanocrystals with an Individual Erbium Emitter: A Route to a Stable Single-Photon Source at 1550 nm Wavelength. Nano Letters, 2020, 20, 1018-1022.	9.1	26
84	Resonant light transmission through a nanohole in a metal film. IEEE Nanotechnology Magazine, 2006, 5, 291-294.	2.0	25
85	Tuning plasmonic resonances of an annular aperture in metal plate. Optics Express, 2011, 19, 5912.	3.4	25
86	Improved Performance of Nanohole Surface Plasmon Resonance Sensors by the Integrated Response Method. IEEE Photonics Journal, 2011, 3, 441-449.	2.0	25
87	Transverse mode-locking in microcavity lasers. Applied Physics Letters, 2002, 81, 4523-4525.	3.3	24
88	Raman spectroscopy of single nanoparticles in a double-nanohole optical tweezer system. Journal of Optics (United Kingdom), 2015, 17, 102001.	2.2	23
89	Investigations of the spectral characteristics of 980-nm InGaAs-GaAs-AlGaAs lasers. IEEE Journal of Quantum Electronics, 1997, 33, 1801-1809.	1.9	22
90	One-step integration of metal nanoparticle in photonic crystal nanobeam cavity. Optics Express, 2011, 19, 22462.	3.4	22

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91	Template-stripped nanoaperture tweezer integrated with optical fiber. Optics Express, 2018, 26, 9607.	3.4	22
92	Metal nano-grid reflective wave plate. Optics Express, 2009, 17, 2871.	3.4	21
93	Tailored SERS substrates obtained with cathodic arc plasma ion implantation of gold nanoparticles into a polymer matrix. Physical Chemistry Chemical Physics, 2012, 14, 2050.	2.8	21
94	Subdiffraction Focusing Enabled by a Fano Resonance. Physical Review X, 2014, 4, .	8.9	21
95	Harvesting Dual-Wavelength Excitation with Plasmon-Enhanced Emission from Upconverting Nanoparticles. ACS Photonics, 2018, 5, 3507-3512.	6.6	21
96	Total optical transmission through a small hole in a metal waveguide screen. Optics Express, 2009, 17, 4433.	3.4	20
97	Localized and propagating surface plasmon resonances in aperture-based third harmonic generation. Optics Express, 2015, 23, 32006.	3.4	20
98	Coulomb Blockade Plasmonic Switch. Nano Letters, 2017, 17, 2584-2588.	9.1	20
99	Plasmon-enhanced LT-GaAs/AlAs heterostructure photoconductive antennas for sub-bandgap terahertz generation. Optics Express, 2017, 25, 22140.	3.4	20
100	Surface-Enhanced Resonance Raman Scattering on Gold Concentric Rings: Polarization Dependence and Intensity Fluctuations. Journal of Physical Chemistry C, 2012, 116, 2672-2676.	3.1	19
101	Enhanced Terahertz Bandwidth and Power from GaAsBiâ€based Sources. Advanced Optical Materials, 2013, 1, 714-719.	7.3	19
102	Super-transmission from a finite subwavelength arrangement of slits in a metal film. Optics Express, 2014, 22, 13418.	3.4	19
103	Interband transition enhanced third harmonic generation from nanoplasmonic goldâ€• Optical Materials Express, 2015, 5, 2217.	3.0	19
104	Surface-Enhanced Raman Spectroscopy Using Lipid Encapsulated Plasmonic Nanoparticles and J-Aggregates To Create Locally Enhanced Electric Fields. Journal of Physical Chemistry C, 2013, 117, 1879-1886.	3.1	18
105	Template stripped double nanohole in a gold film for nano-optical tweezers. Nanotechnology, 2014, 25, 495301.	2.6	18
106	Threshold for Terahertz Resonance of Nanoparticles in Water. Nano Letters, 2016, 16, 3638-3641.	9.1	18
107	Nanostructured metals for light-based technologies. Nanotechnology, 2019, 30, 212001.	2.6	18
108	Quantification of an exogenous cancer biomarker in urinalysis by Raman Spectroscopy. Analyst, The, 2014, 139, 5375-5378.	3.5	17

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109	Nanorod Surface Plasmon Enhancement of Laser-Induced Ultrafast Demagnetization. Scientific Reports, 2015, 5, 15933.	3.3	17
110	Overlapping Double-Hole Nanostructure in a Metal Film for Localized Field Enhancement. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1228-1232.	2.9	16
111	Wedge and gap plasmonic resonances in double nanoholes. Optics Express, 2015, 23, 30227.	3.4	16
112	Electromagnetic transmission resonances for a single annular aperture in a metal plate. Physical Review A, 2010, 82, .	2.5	15
113	Design and Analysis of High-Index-Contrast Gratings Using Coupled Mode Theory. IEEE Photonics Journal, 2010, 2, 884-893.	2.0	15
114	Plasmon hybridization for enhanced nonlinear optical response. Optics Express, 2012, 20, 29923.	3.4	15
115	Characterizing gold nanorods in aqueous solution by acoustic vibrations probed with four-wave mixing. Optics Express, 2016, 24, 12458.	3.4	15
116	Reaching the Limits of Enhancement in (Sub)Nanometer Metal Structures. ACS Photonics, 2018, 5, 4222-4228.	6.6	15
117	Isolating and enhancing single-photon emitters for 1550Ânm quantum light sources using double nanohole optical tweezers. Journal of Chemical Physics, 2021, 154, 184204.	3.0	14
118	Future Prospects for Biomolecular Trapping with Nanostructured Metals. ACS Photonics, 2022, 9, 1127-1135.	6.6	14
119	Theory of Acoustic Raman Modes in Proteins. Physical Review Letters, 2016, 117, 138101.	7.8	11
120	Gap plasmon mode of eccentric coaxial metal waveguide. Optics Express, 2009, 17, 5311.	3.4	10
121	Nanophotonics using a subwavelength aperture in a metal film. Nanotechnology Reviews, 2012, 1, 339-362.	5.8	10
122	Dewetting during Terahertz Vibrations of Nanoparticles. Nano Letters, 2018, 18, 773-777.	9.1	10
123	Crude Oil Asphaltenes Studied by Terahertz Spectroscopy. ACS Omega, 2018, 3, 3406-3412.	3.5	10
124	Detecting Antibodies Secreted by Trapped Cells Using Extraordinary Optical Transmission. IEEE Sensors Journal, 2011, 11, 2732-2739.	4.7	9
125	Optimizing the resolution of nanohole arrays in metal films for refractive-index sensing. Applied Physics A: Materials Science and Processing, 2012, 109, 775-780.	2.3	9
126	Probing the acoustic vibrations of complex-shaped metal nanoparticles with four-wave mixing. Optics Express, 2016, 24, 23747.	3.4	9

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127	Nanoparticle Acoustic Resonance Enhanced Nearly Degenerate Four-Wave Mixing. ACS Photonics, 2016, 3, 1421-1425.	6.6	9
128	Quantum plasmonic epsilon near zero: field enhancement and cloaking. Optics Express, 2018, 26, 15656.	3.4	9
129	Absorption leads to narrower plasmonic resonances. Journal of the Optical Society of America B: Optical Physics, 2019, 36, F117.	2.1	9
130	Optical transmission properties and enhanced loss for randomly positioned apertures in a metal film. Applied Physics B: Lasers and Optics, 2007, 87, 239-242.	2.2	8
131	Monitoring Gold Nanoparticle Growth in Situ via the Acoustic Vibrations Probed by Four-Wave Mixing. Analytical Chemistry, 2017, 89, 2196-2200.	6.5	8
132	Limits for superfocusing with finite evanescent wave amplification. Optics Letters, 2012, 37, 912.	3.3	7
133	Analysis of hybrid plasmonic-photonic crystal structures using perturbation theory. Optics Express, 2012, 20, 16992.	3.4	7
134	Switchable Metalâ€“Insulator Phase Transition Metamaterials. Nano Letters, 2017, 17, 2940-2944.	9.1	7
135	Lorentz Nanoplasmonics for Nonlinear Generation. Nano Letters, 2018, 18, 8030-8034.	9.1	7
136	Metal Nanoapertures and Single Emitters. Advanced Optical Materials, 2020, 8, 2001110.	7.3	7
137	Single Nanoflake Hexagonal Boron Nitride Harmonic Generation with Ultralow Pump Power. ACS Photonics, 2021, 8, 1922-1926.	6.6	7
138	Improving sensitivity of existing surface plasmon resonance systems with grating-coupled short-range surface plasmons. Journal of the Optical Society of America B: Optical Physics, 2019, 36, F144.	2.1	7
139	Beaming light through a bow-tie nanoaperture at the tip of a single-mode optical fiber. Optics Express, 2019, 27, 14112.	3.4	7
140	Inside Vertical-Cavity Surface-Emitting Lasers: Extracting the Refractive Index From Spatial-Spectral Mode Images. IEEE Journal of Quantum Electronics, 2007, 43, 225-229.	1.9	6
141	Theory of nanorod antenna resonances including end-reflection phase. Physical Review B, 2015, 91, .	3.2	6
142	Effective wavelength scaling of rectangular aperture antennas. Optics Express, 2015, 23, 10385.	3.4	6
143	Plasmonicsâ€“mine the gap: opinion. Optical Materials Express, 2021, 11, 2192.	3.0	6
144	Proposal for Compact Optical Filters Using Large Index Step Binary Supergratings. IEEE Photonics Technology Letters, 2008, 20, 676-678.	2.5	5

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145	Commentary: Extraordinary optical transmission for surface-plasmon-resonance-based sensing. Journal of Nanophotonics, 2008, 2, 020305.	1.0	5
146	Development of plasmonic substrates for biosensing. Proceedings of SPIE, 2008, , .	0.8	5
147	Antenna Design for Directivity-Enhanced Raman Spectroscopy. International Journal of Optics, 2012, 2012, 1-8.	1.4	5
148	Generating and Detecting High-Frequency Liquid-Based Sound Resonances with Nanoplasmonics. Nano Letters, 2019, 19, 7050-7053.	9.1	5
149	Plasmonic linewidth narrowing by encapsulation in a dispersive absorbing material. Physical Review Research, 2021, 3, .	3.6	5
150	Accessible high-performance double nanohole tweezers. Optics Express, 2022, 30, 3760.	3.4	5
151	Spatially Filtered Feedback for Mode Control in Vertical-Cavity Surface-Emitting Lasers. Journal of Lightwave Technology, 2008, 26, 3893-3900.	4.6	4
152	Microfluidic and nanofluidic integration of plasmonic substrates for biosensing. Proceedings of SPIE, 2009, , .	0.8	4
153	Optical Trapping of Nanoparticles. Journal of Visualized Experiments, 2013, , e4424.	0.3	4
154	A supramolecular indicator displacement assay for acetyl amantadine, a proxy biomarker for spermidine/spermine N¹-acetyltransferase (SSAT) activity. Canadian Journal of Chemistry, 2016, 94, 969-975.	1.1	4
155	Biaxial nanohole array sensing and optofluidic integration. , 2008, , .		3
156	Nonlinear Plasmonics: Four-photon Near-field Photolithography using Optical Antennas. Plasmonics, 2013, 8, 1655-1665.	3.4	3
157	Bright upconverted emission from light-induced inelastic tunneling. Optics Express, 2020, 28, 16497.	3.4	3
158	Plasmonic Bragg Reflectors: Optimization and Application to Isolation. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 1502-1508.	2.9	2
159	Trace cancer biomarker quantification using polystyrene-functionalized gold nanorods. Biomedical Optics Express, 2014, 5, 4101.	2.9	2
160	Single-ion detection. Nature Photonics, 2016, 10, 697-698.	31.4	2
161	Complex coupled mode theory electromagnetic mode solver. Optics Express, 2017, 25, 28337.	3.4	2
162	Maximum power transfer in a real metal slit: an analytic approach. Optics Express, 2021, 29, 38129.	3.4	2

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163	Electrokinetically-Induced Flow Over a Nano-Hole Array Sensor. , 2004, , 213.		1
164	Nanohole Arrays in Metal Films as Integrated Chemical Sensors and Biosensors. Springer Series on Chemical Sensors and Biosensors, 2010, , 155-179.	0.5	1
165	Near-field plates in the visible-IR regime using rectangular subwavelength apertures. , 2011, , .		1
166	Optical trapping of an encapsulated quantum dot using a double nanohole aperture in a metal film. , 2012, , .		1
167	Optical tweezers for free-solution label-free single bio-molecule studies. , 2014, , .		1
168	Single Molecule Protein Sizing in Double Nano-hole Optical Tweezers. , 2015, , .		1
169	Label-Free Free Solution Single Protein-Small Molecule Binding Kinetics: An Optical Tweezer Approach. , 2015, , .		1
170	An Analytic Approach to Nanofocusing with Pyramidal Horn Antennas. Plasmonics, 2018, 13, 1417-1423.	3.4	1
171	Characterizing Mutant Protein Activators Using Single Molecule Optical Trapping. , 2018, , .		1
172	Subnanometer Gaps for Enhanced Raman Substrates. , 2018, , .		1
173	Room-temperature mid-infrared detectors. Science, 2021, 374, 1201-1202.	12.6	1
174	Coupling Perovskite Quantum Dot Pairs in Solution using a Nanoplasmonic Assembly. Nano Letters, 2022, 22, 5287-5293.	9.1	1
175	Nondegenerate Phase-Locking of a Semiconductor Laser by Sideband Injection. IEEE Photonics Technology Letters, 2006, 18, 2248-2250.	2.5	0
176	Localized field enhancement in metal films using an overlapping double-hole nanostructure. , 2006, , .		0
177	Compact Binary Super-Gratings Using a Large Refractive Index Step. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
178	Plasmonic Bragg Reflectors for Subwavelength Hole Arrays in a Metal Film. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
179	Angle-Dependence of Nano-Slit Optical Transmission. , 2007, , .		0
180	Nanohole Arrays as Optical and Fluidic Elements for Sensing. , 2008, , .		0

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181	Theory of plasmonic nanorod resonances. , 2010, , .		0
182	Gigantic absorption enhancement using nanostructured metal films: application to organic solar cells. Proceedings of SPIE, 2010, , .	0.8	0
183	Directivity-enhanced Raman spectroscopy using a parabolic reflector nanoantenna. , 2011, , .		0
184	Tuning the resonance of silver nanoprisms by plasmonic hybridization with a thin gold film. , 2011, , .		0
185	Enhanced sensitivity using rectangular nanohole arrays in metal for biosensing applications. , 2011, , .		0
186	Nanoplasmonics as nanofluidics: transport and sensing in flowthrough nanohole arrays. , 2011, , .		0
187	Design and fabrication of resonant coaxial nanoapertures in a gold film. , 2011, , .		0
188	Opto-nanofluidic biosensing and manipulation using nanoholes in metal films. , 2011, , .		0
189	New physics and applications of apertures in thin metal films. Proceedings of SPIE, 2014, , .	0.8	0
190	Trapping, unfolding, identifying, and binding single proteins using the double-nanohole optical trap. Proceedings of SPIE, 2014, , .	0.8	0
191	Optical Trapping and Raman Spectroscopy of a Single MS2 Bacteriophage. , 2015, , .		0
192	Nano-bio-optomechanics: nanoaperture tweezers probe single nanoparticles, proteins, and their interactions. , 2015, , .		0
193	Mapping low frequency vibrational spectra of ssDNA using DNH optical trap. , 2015, , .		0
194	Optical Trapping and Analysis of Single Proteins: Towards an All-Fiber Approach. , 2016, , .		0
195	Laser Tweezers Using Nanoapertures in Metal Films. , 2016, , 1753-1764.		0
196	Nanoparticle electrostriction acoustic resonance enhanced nonlinearity. , 2016, , .		0
197	In Situ Accurate Analysis of Colloidal Nanoparticles via Four Wave Mixing. MRS Advances, 2018, 3, 707-709.	0.9	0
198	Trapping Individual Upconverters Using Rectangle Nanoapertures. , 2018, , .		0

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199	Lorentz Based Metamaterials for Nonlinear Generation. , 2018, , .		0
200	Plasmon Enhanced Dual Band Upconverters. , 2018, , .		0
201	Potential High-Speed Switching Nano-Device with Sub-Nanometer Gaps. , 2018, , .		0
202	A New Angle on Second Harmonic Generation from a Small Hole in a Metal Film. Plasmonics, 2021, 16, 435-440.	3.4	0
203	Upconversion nanocrystal emission rate enhancement using double nanoholes. , 2021, , .		0
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